

Claims

1. A method for printing a print web (1) by means of
5 a plurality of printing units (5), characterized
in that the print web (1) is guided in the region
of the printing units (5) on a supporting belt
(10) transported at the same speed, and in that
the multiple printing is carried out by means of
10 the printing units (5) arranged beside one another
in the transport direction of the supporting belt
(10).
2. The method as claimed in claim 1, characterized in
15 that the printing is carried out equidistantly in
the transport direction.
3. The method as claimed in claim 1 or 2,
20 characterized in that the printing is carried out
from roll (2) to roll (4).
4. The method as claimed in one of claims 1 to 3,
25 characterized in that the supporting belt (10) is
guided substantially rectilinearly.
5. The method as claimed in one of claims 1 to 4,
30 characterized in that, in the printing unit (5),
the print web (1) with the supporting belt (10) is
transported through between a plate cylinder (7)
and an impression cylinder (13), the print web (1)
being guided on the side of the supporting belt
(10) facing away from the impression cylinder
(13).
- 35 6. The method as claimed in one of claims 1 to 5,
characterized in that the supporting belt (10) is
guided over supporting rollers (12') arranged in a
fixed location.

7. The method as claimed in claim 6, characterized in that the supporting rollers (12') are arranged close together.

5 8. A printing machine having a plurality of printing units (5), which each have a circulating printing belt (9) carrying a printing plate and a printing belt (9) guided around a plate cylinder (7) and an ink applicator device (17), and having a print web guidance system with rollers and pressing devices (13) for pressing the print web (1) onto the printing belt (9) with the printing plate, characterized in that the print web guidance through the printing units (5) is formed by a supporting belt (10) moved at the speed of the print web (1), and that the printing units (5) are constructed on machine stands (6) aligned along the supporting belt (10), the supporting belt preferably running substantially rectilinearly.

20 9. The printing machine as claimed in claim 8, characterized in that the supporting belt runs substantially rectilinearly.

25 10. The printing machine as claimed in claim 9, characterized in that the printing units (5) are mounted on machine stands (6) which are arranged in parallel, in that the plate cylinders (7) of the printing units (5) are arranged at the same height in the printing state, and in that the supporting belt (10) runs substantially horizontally above the plate cylinders (7).

30 11. The printing machine as claimed in one of claims 8 to 10, characterized in that the supporting belt (10) circulates over supporting rollers (12').

12. The printing machine as claimed in claim 11, characterized in that the supporting rollers (12') are arranged close together.

5 13. The printing machine as claimed in one of claims 8 to 12, characterized in that in each case an impression cylinder (13) is arranged opposite the plate cylinders (7).

10 14. The printing machine as claimed in claim 13, characterized in that the impression cylinder (13) is aligned tangentially with the supporting rollers (12').

15 15. The printing machine as claimed in claim 13 or 14, characterized in that the print web (1) is guided through the printing unit (5) with the supporting belt (10) on the side facing away from the impression cylinder (13).

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16. The printing machine as claimed in one of claims 8 to 15, characterized in that the printing units (5) are set up to accommodate printing belts (9) of different lengths.

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17. The printing machine as claimed in one of claims 8 to 16, characterized by a slip-free drive of the supporting belt.